EP on the Move

U.S. Department of Energy
OTEM
Office of Transportation and Emergency Management

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U.S. Department of Energy, Office of Transportation and Emergency Management

Editor's Note:

Welcome to the first edition of ***"EP on the Move."*** The Office of Environmental Management (EM) has responsibility, as the Lead Program Secretarial Office, for five Department of Energy (DOE) sites, as well as responsibility for the Transportation Emergency Preparedness Program. Through this newsletter, we will let you know what is happening at DOE field sites and Headquarters and provide other interesting items. We will inform you of programs underway in the Office of Transportation and Emergency Management related to EM facility emergency preparedness as well as transportation emergency management.

We plan to offer the newsletter on a quarterly basis. If you have an interest in any of the articles or have information that would be useful to the rest of the DOE complex, please let us hear from you. You can e-mail me (Ella McNeil) at ella.mcneil@em.doe.gov or call me at (301) 903-7284. ◆

What is TEPP?

The Transportation Emergency Preparedness Program (TEPP) is a DOE-wide program that integrates transportation emergency preparedness activities under a single program to address the emergency response concerns of state, tribal, and local officials affected by DOE's shipment of radioactive materials. TEPP ensures that federal, tribal, state, and local responders have access to the plans, training, and technical assistance necessary to safely, efficiently, and effectively respond to transportation accidents involving DOE unclassified radioactive materials (RAM).

The TEPP goals are to:

- Ensure DOE meets its transportation emergency responsibilities under federal regulations, the National Contingency Plan, and the Federal Radiological Emergency Response Plan;
- Address state, tribal, and local government concerns about emergency preparedness for DOE RAM shipments;
- Coordinate DOE-wide transportation emergency preparedness activities for nonweapons-related RAM shipments; and
- Support emergency responders at all levels of government.

TEPP is managed by the Office of Environmental Management in coordination with the Office of Emergency Management (NN-60). Additional information on TEPP can be found at http://www.em.doe.gov/otem. ◆

Regional Corner

Popeye Sailed in Region 5!

A truck carrying DOE-owned radioactive materials is stolen. While being pursued by local police, the vehicle turns over, spilling the shipment. Packages are crushed, releasing contaminated substances. If this happened in your town, what would you do?

Over 30 local, state, federal, and industry entities had the opportunity to find out during a large scale exercise on October 2, 1999. The exercise took place in the vicinity of Hammond, Indiana. Exercise "Popeye" (Preparedness Observation Planning Emergency Exercise) allowed these response organizations to coordinate actions during a simulated transportation accident involving radioactive materials.

This exercise is noteworthy because of the large number of players and the coordination required to plan, conduct, and evaluate a transportation radiological exercise of this magnitude. DOE-developed TEPP planning and training tools, which were made available to state, tribal, or local officials, were assessed.

The exercise was designed to identify strengths and weaknesses in emergency plans, procedures, training, and resources. Specifically tested were components of the Lake County Emergency Management Plan, response structure, and unified incident command; the Draft Indiana State Radiological Response Plan; and the DOE TEPP tools.

A 12-hour window was set for the exercise. However, the field portion of the exercise was no longer than four hours in duration. The restoration planning tabletop began during field play and ended approximately two hours after the field portion ended. Because of the short duration, selected response assets were pre-staged.

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TEPP Planning Products

A number of tools have been developed and are available to responders to help them be prepared in the event of a transportation incident involving DOE shipments of radioactive materials. These tools provide a standardized approach to transportation emergency preparedness planning for radioactive materials:

TEPP Model Needs Assessment

This model was designed to help state, tribal, or local officials assess their emergency preparedness programs for response to transportation incidents involving radioactive materials. The model can be used to determine responder readiness in the following:

- Emergency Management Planning Procedures & Capabilities
- Emergency Communication Center Procedures & Capabilities
- Hazardous Materials Team Procedures & Capabilities
- Fire Response Organization Procedure & Capabilities
- Law Enforcement Organization Procedure & Capabilities
- Emergency Medical Services/Care Facility Procedures & Capabilities

TEPP Model Annex Planning for Response to Transportation Accidents Involving Radioactive Materials

This model provides a standard format and content guide to assist state, tribal and local officials in the development of a Transportation Emergency Plan. The model is based on FEMA REP 5 and FEMA State and Local Guide 101.

TEPP Model Initial Response Procedures

These procedures were developed as models that can be handed off to response organizations. The focus is on initial response actions at a transportation incident scene and includes the *Transportation Emergency Preparedness Program Hazardous Materials Incident Response Procedure* and the *Transportation Emergency Preparedness Program Model First Responder Procedure for Transportation Accidents Involving Radiological Materials.*

Tabletop, Drill & Exercise Program Manual

This manual provides complete instructions and support materials to assist state, tribal, and local agencies in the preparation, conduct, and evaluation of emergency preparedness tabletops, drills, and exercises. It includes seven off-the-shelf scenarios and instructions for modifying these scenarios or building new scenarios to meet individual needs.

Copies of the TEPP Planning Products may be downloaded from http://www.em.doe.gov/otem. ◆

TEPP Training

For many years, radiological transport emergency training has been a series of programs developed for specific issues. The *Modular Emergency Response Radiological Transportation Training (MERRTT)* program was developed with one goal in mind—to provide real-world training for real-world issues. Input into the development process was provided by the National Fire Protection Association, International Association of Fire Fighters, and the International Association of Fire Chiefs.

The training is broken into small, concise, easy to understand modules that allow them to be integrated into existing programs for hazardous materials training at the awareness, operations, technician, and incident command levels.

MERRTT is based on a modular design, making it easier to understand how this material fits the needs of programs, agencies, and regions. The training is divided into 16 modules that are then incorporated into eight recommended courses correlating with existing hazardous materials response training levels. The MERRTT program was specifically designed to provide for both facilitated (instructor-led) and self-study programs.

The needs of the emergency responder were carefully considered when the training was developed. The modules are easy for responders to follow and understand because they progress in the same order as actual field operations: identify the hazard, take initial defensive actions, notify authorities, control the scene, use trained personnel to make further assessments, and take appropriate actions.

The MERRTT is intended for responders who have had previous hazardous materials response training up to, and including, those trained to the technician level. The training materials have undergone extensive pilot testing in Pennsylvania, South Carolina, Colorado, Ohio, and Indiana. Based on these pilots, the materials are being revised to address identified issues or concerns. The MERRTT materials will be available in November 1999.

The following provides an overview of the MERRTT training instruction blocks and subjects:

Block A: For first responders not expected to enter the event scene

Module 1	Radiological Basics
Module 2	Biological Effects of Ionizing Radiation
Module 3	Hazard Recognition
Module 4	Initial Response Actions

Block B: For first responders expected to enter the event scene to complete rescue

Modules 1-4	As Described Above
Module 5	RAM Shipping Packages
Module 6	Patient Handling

Block C: For first responders expected to enter the event scene to take defensive actions

Modules 5 and 6	As Described Above
Module 7	Notifications and Resources
Module 8	Scene and Incident Control

Block D: For first responders expected to enter the event scene to take defensive actions and to use radiological instrumentation to determine gross radiological conditions and monitor personnel exposure

Modules 7 and 8	As Described Above
Module 9	Radiation, Terminology and Units
Module 10	Radiological Instrumentation
Module 11	Assessing Packaging Integrity

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TEPP Training *continued from page 2*

Block E: For first responders expected to enter the event scene to take offensive actions and to use radiological instrumentation to determine gross radiological conditions and monitor personnel exposure

Modules 9-11	As Described Above
Module 12	Tactics and Strategies
Module 13	Decontamination

Block F: For responders expected to enter the event scene and take offensive actions

Module 12	Tactics and Strategies
Module 13	Decontamination

Block G: For command personnel

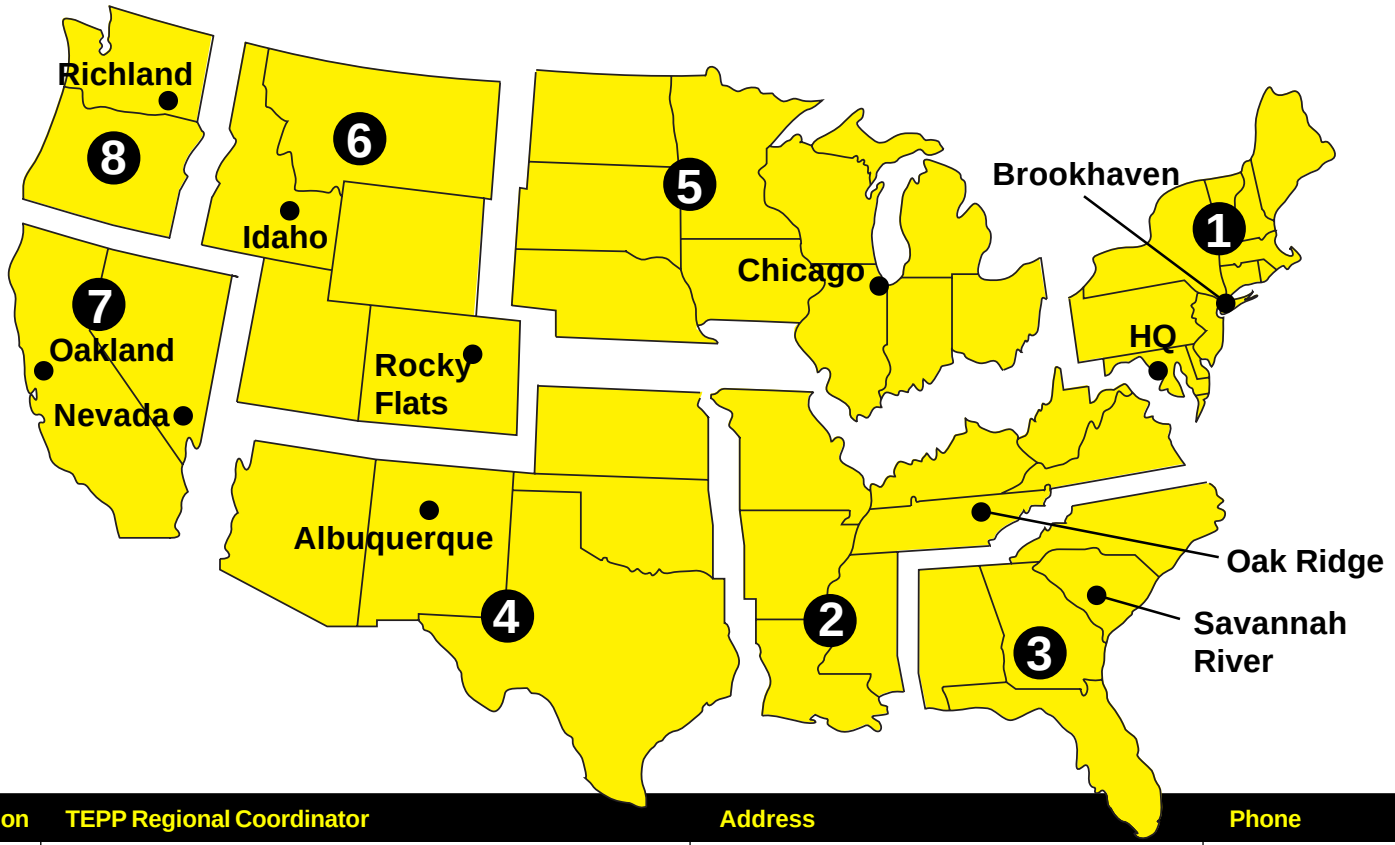
Module 14	Incident Commander - Response Phase
Module 15	Incident Commander - Recovery Phase

Block H: For public awareness officers at a radiological transportation incident

Module 16	Public Information Officer

For further information on TEPP training, contact June Ollero, DOE/RL Manager of HAMMER at (509) 376-8357 or the appropriate TEPP Coordinator. ◆

U.S. Department of Energy Regional Coordinating Offices



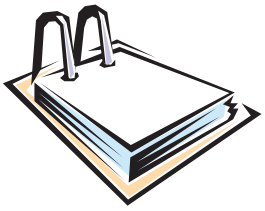
Region	TEPP Regional Coordinator	Address	Phone
1	Steve Centore - Brookhaven Area Office	Upton, L.I., NY 11973	(516) 344-7309
2	Brady Lester - Oak Ridge Operations Office	P.O. Box E, Oak Ridge, TN 37830	(423) 576-8354
3	Christina Edwards - Savannah River Operations	P.O. Box A, Aiken, SC 29801	(803) 725-1791
4	Anna Bachicha-Reynolds - Albuquerque Operations Office	P.O. Box 5400, Albuquerque, NM 87115	(505) 845-5653
5	Dale Dietzel - Chicago Operations Office	9800 South Cass Ave., Argonne, IL 60439	(630) 252-2555
6	Stacey Madson - Idaho Operations Office	850 Energy Drive, Idaho Falls, ID 83402	(208) 526-1532
7	Mike Cornell - Oakland Operations Office	1333 Broadway, Oakland, CA 94612	(925) 422-0138
8	Kathy Beecher - Richland Operations Office	P.O. Box 550, Richland, WA 99352	(509) 376-8519

Popeye Sailed in Region 5! *continued from page 1*

Key Players in the exercise included the following:

- Town of Highland, Indiana
- Town of Griffith, Indiana
- Town of Munster, Indiana
- Town of Schererville, Indiana
- Lake County, Indiana
- Red Cross
- Methodist Hospital — North Lake
- Saint Margaret's Hospitals — North
- Saint Margaret's Hospitals — South
- State of Indiana
- U.S. Department of Energy
- U.S. Environmental Protection Agency
- Northern Indiana Public Service Company
- U.S. Steel — Gary Works
- Ispat Island
- BP Amoco
- Cleanup Contractor

For more information about the exercise or to obtain a copy of the final report when it becomes available, contact Dale Dietzel at (630) 252-2555. ◆



Upcoming Events

October 17-21, 1999
Cooperative Hazardous Materials Enforcement Development (COHMED)
Fall Conference
Kansas City, Mo.
Additional Information: Jan Axson, (202) 366-4339

October 17-22, 1999
National Safety Council Congress & Expo
New Orleans, La.
Additional information: http://www.nsc.org/expo99.htm

November 13-16, 1999
International Association of Emergency Managers (IAEM) 47th Annual Conference
Louisville, Ky.
Additional information: http://www.iaem.com/conference.html

November 30-December 4, 1999
National League of Cities Annual Conference
Los Angeles, Calif.
Additional information: NLC Conference Planning and Management, (202) 626-3105

February 28-March 5, 2000
Fire Department Instructors Conference
Indianapolis, Ind.
Additional Information: http://www.fdic.org/registration.htm

April, 10-13, 2000
National Radiological Emergency Preparedness Conference
Reno, Nev.
Additional Information: http://www.deq.state.la.us./nrep/

April 16-20, 2000
Cooperative Hazardous Materials Enforcement Development (COHMED)
Spring Conference
Orlando, Fla.
Additional Information: Jan Axson, (202) 366-4339

May 2000
Annual Meeting of DOE Emergency Management Issues Special Interest Group (EMI SIG)
San Francisco, Calif.
Additional information: Dorothy Manning, (423) 576-2007

June 17-21, 2000
National Sheriffs Association Conference
Kansas City, Mo.
Additional Information: http://www.sheriffs.org/annual_conf.htm

July 20-22, 2000
Firehouse Emergency Services Expo
Baltimore, Md.
Additional Information: http://www.firehouseexpo.com/

November 8-11, 2000
National Association of Emergency Medical Technicians
Reno, Nev.
Additional Information: 1-800-646-2368 ◆

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